



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Caradco Windows & Doors
201 Evans Road
Rantoul, IL 61866

Your application for Notice of Acceptance (NOA) of:

Series "Car Clad" Aluminum Clad Wood Casement Window - Non-impact & Impact Resistant
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0814.05
EXPIRES: 08/31/2006

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 09/20/2001

Caradco Windows & Doors

ACCEPTANCE No.: 01-0814.05

APPROVED : SEP 20 2001

EXPIRES : August 31, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This **renews** the Notice of Acceptance No. **98-1021.04**, which was issued 01/28/99. It approves a wood casement window, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1 The Series **"Car Clad" Aluminum Clad Wood Casement Window - Non-impact and Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No **W98-76**, Sheets 1 through 5 of 5, titled **"Car Clad" Wood Casement Window,** prepared by Al Farooq Corporation, dated 09/21/98 and revised on 7/10/01, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1 This approval applies to single unit applications and side-by-side installations, as shown in approved drawings.
- 3.2 For Design Pressure Rating vs. Window Size, see Comparative Analysis Tables in approved drawings.

4. INSTALLATION

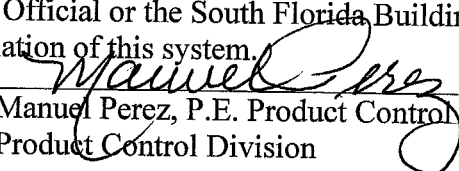
- 4.1 The wood casement window and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters): to determine whether the installation requires a hurricane protection system or not, see corresponding table in approved drawing.

5. LABELING

- 5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
- 6.1.1 This Notice of Acceptance
- 6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
- 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

Caradco Windows & Doors

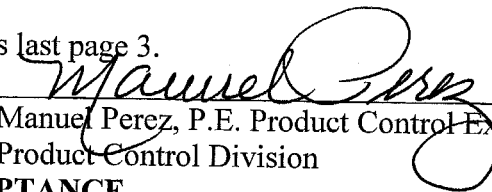
ACCEPTANCE No.: 01-0814.05

APPROVED : SEP 20 2001

EXPIRES : August 31, 2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

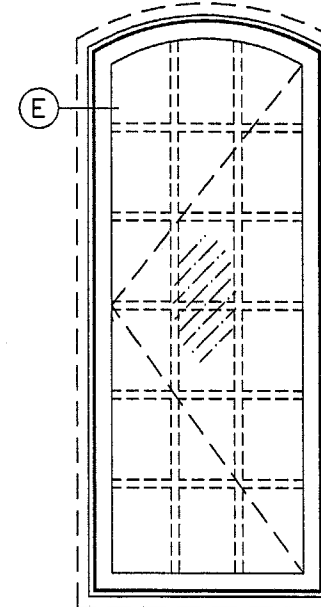
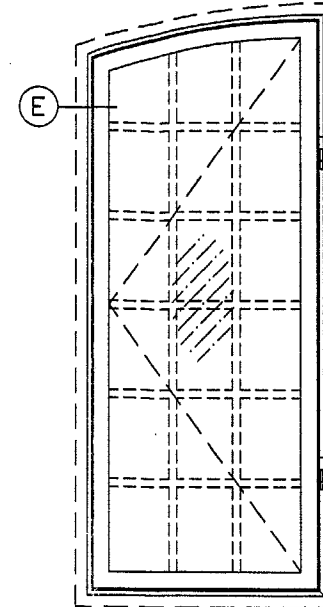
1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

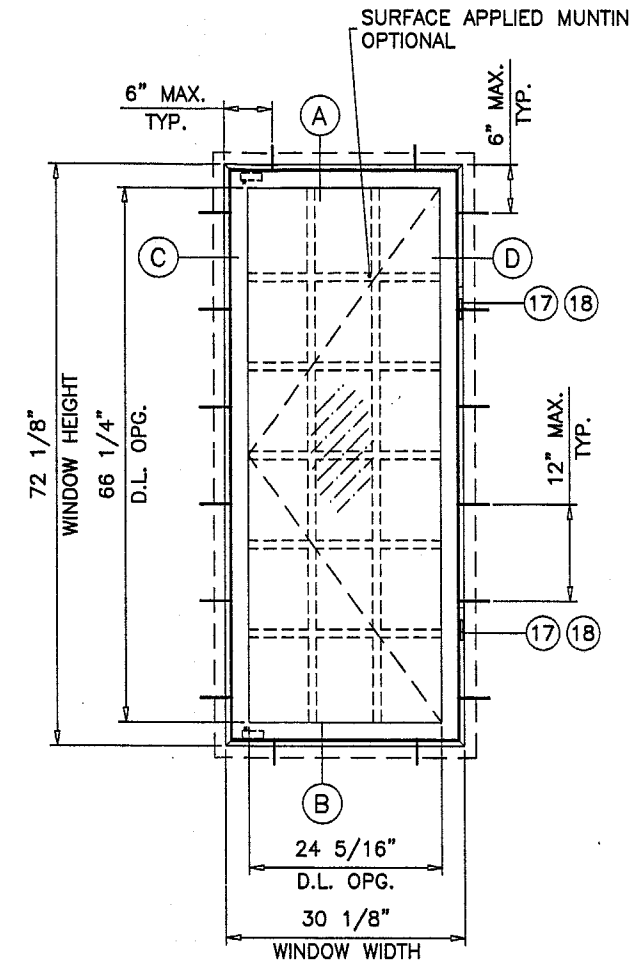
END OF THIS ACCEPTANCE

DESIGN LOAD CAPACITY - PSF									
WINDOW DIMENSIONS		NON-IMPACT WINDOWS DADE COUNTY APPD. IMPACT RESIST. SHUTTERS REQD.				IMPACT RESISTANT WINDOWS SHUTTERS NOT REQUIRED			
		DSB-INSULATED 1/8" ANN. GLASS		DSB-INSULATED 1/8" TEMP. GLASS		GLASSLAM SAFETY PLUS 1/8" ANN. GLASS		GLOBE AMERADA P380 1/8" CHEM-TEM GLASS	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
17"	32"	100.0	140.0	100.0	140.0	66.0	80.0	66.0	80.0
20"		100.0	140.0	100.0	140.0	66.0	80.0	66.0	80.0
24"		100.0	131.6	100.0	140.0	66.0	80.0	66.0	80.0
28"		100.0	116.8	100.0	122.9	66.0	80.0	66.0	80.0
30"		100.0	114.7	100.0	114.7	66.0	80.0	66.0	80.0
36"		94.5	89.6	100.0	89.6	66.0	80.0	66.0	80.0
17"	36"	100.0	140.0	100.0	140.0	66.0	80.0	66.0	80.0
20"		100.0	132.7	100.0	140.0	66.0	80.0	66.0	80.0
24"		100.0	111.2	100.0	119.5	66.0	80.0	66.0	80.0
28"		100.0	102.4	100.0	102.4	66.0	80.0	66.0	80.0
30"		100.0	95.6	100.0	95.6	66.0	80.0	66.0	80.0
36"		85.9	79.7	100.0	79.7	66.0	79.7	66.0	79.7
17"	40"	100.0	140.0	100.0	140.0	66.0	80.0	66.0	80.0
20"		100.0	117.2	100.0	140.0	66.0	80.0	66.0	80.0
24"		99.0	99.0	100.0	119.5	66.0	80.0	66.0	80.0
28"		89.5	89.5	100.0	102.4	66.0	80.0	66.0	80.0
30"		88.6	88.6	100.0	95.6	66.0	80.0	66.0	80.0
36"		77.9	77.9	100.0	79.7	66.0	70.9	66.0	79.7
17"	48"	100.0	140.0	100.0	140.0	66.0	80.0	66.0	80.0
20"		100.0	101.7	100.0	140.0	66.0	80.0	66.0	80.0
24"		76.7	76.7	100.0	119.5	66.0	80.0	66.0	80.0
28"		73.1	73.1	100.0	102.4	66.0	80.0	66.0	80.0
30"		70.9	70.9	100.0	95.6	66.0	73.1	66.0	80.0
36"		65.0	65.0	100.0	79.7	57.7	57.7	66.0	79.7
17"	56"	100.0	140.0	100.0	140.0	66.0	80.0	66.0	80.0
20"		97.7	97.7	100.0	140.0	66.0	80.0	66.0	80.0
24"		63.9	63.9	100.0	119.5	66.0	80.0	66.0	80.0
28"		56.9	56.9	100.0	102.4	66.0	70.1	66.0	80.0
30"		54.7	54.7	100.0	95.6	62.5	62.5	66.0	80.0
36"		54.0	54.0	99.3	79.7	49.4	49.4	66.0	79.7
17"	60"	100.0	140.0	100.0	140.0	66.0	80.0	66.0	80.0
20"		91.6	91.6	100.0	140.0	66.0	80.0	66.0	80.0
24"		59.9	59.9	100.0	119.5	66.0	80.0	66.0	80.0
28"		52.7	52.7	100.0	102.4	65.6	65.6	66.0	80.0
30"		50.8	50.8	97.6	95.6	58.8	58.8	66.0	80.0
36"		50.0	50.0	84.8	79.7	46.0	46.0	66.0	79.7
17"	64"	100.0	128.2	100.0	140.0	66.0	80.0	66.0	80.0
20"		92.3	92.3	100.0	135.0	66.0	80.0	66.0	80.0
24"		58.1	58.1	100.0	112.5	66.0	80.0	66.0	80.0
28"		46.8	46.8	90.1	96.4	65.5	65.5	66.0	80.0
30"		47.0	47.0	84.9	90.0	55.5	55.5	66.0	80.0
36"									
17"	72"	96.3	96.3	100.0	134.5	66.0	80.0	66.0	80.0
20"		88.6	88.6	95.1	115.3	66.0	80.0	66.0	80.0
24"		55.6	55.6	80.4	97.4	66.0	80.0	66.0	80.0
28"		41.6	41.6	70.1	84.9	59.5	59.5	66.0	80.0
30"		38.7	38.7	66.0	80.0	52.5	52.5	66.0	80.0
36"									

MAX. DESIGN LOADS LIMITED TO 140 PSF



SEGMENT HEAD CASEMENTS



TYPICAL ELEVATION
TESTED UNIT

NOTES:

1. THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY. ALSO FOR WIND LOADS AS PER ASCE 7 USING CORRESPONDING LOADS.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. ANCHORING OR LOADING CONDITION NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

AUG 03 2001

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE SEP 20 2001
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0814-05

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W98-76CO

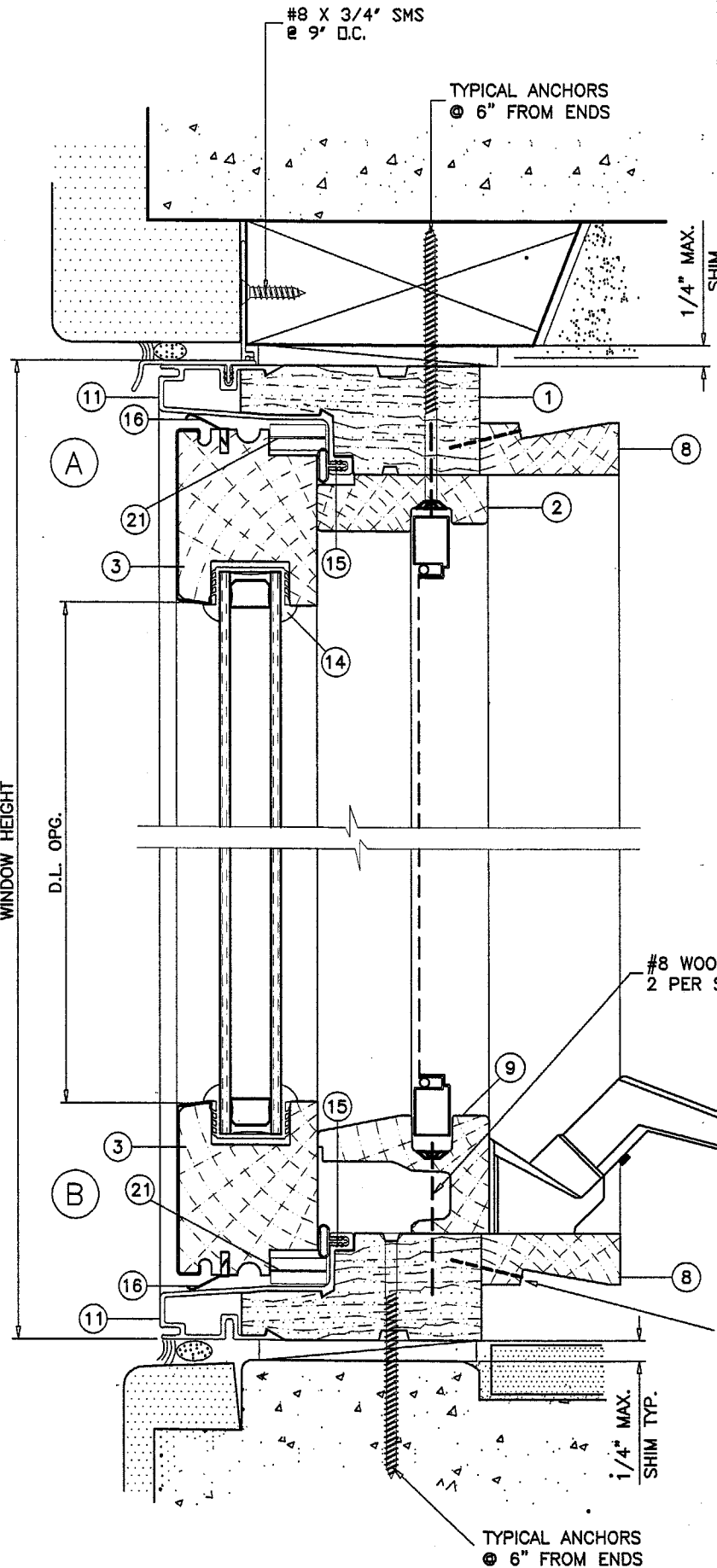
'CAR CLAD' WOOD CASEMENT WINDOW
CARADCO WOOD WINDOWS & PATIO DOORS
201 EVANS ROAD
RANTOUL, ILLINOIS 61866
TEL (217) 893-4444 FAX (217) 893-0921

revisions:	no	date	by	description
	A	07.10.01		CHART REV. PER ASTM E-1300

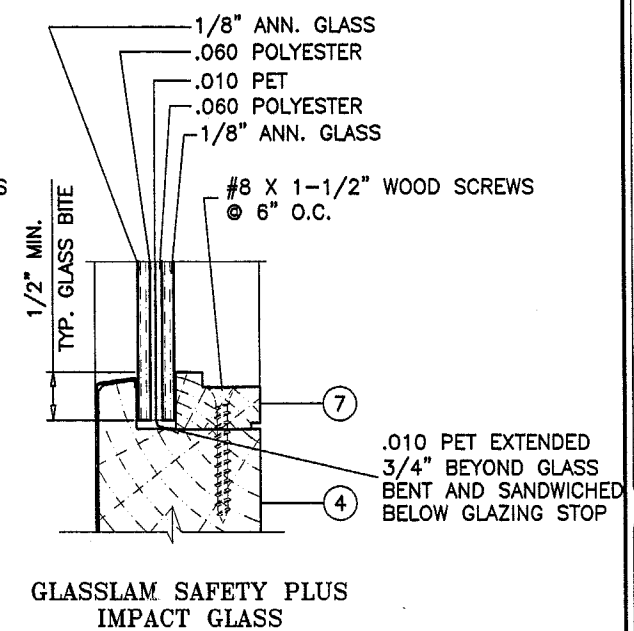
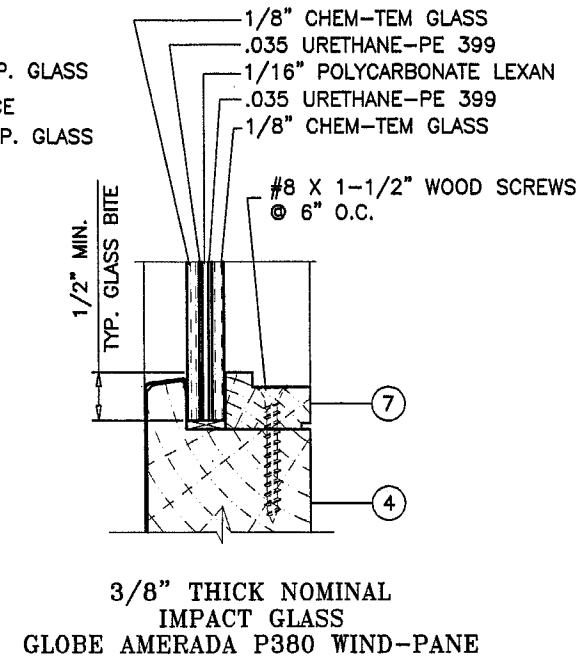
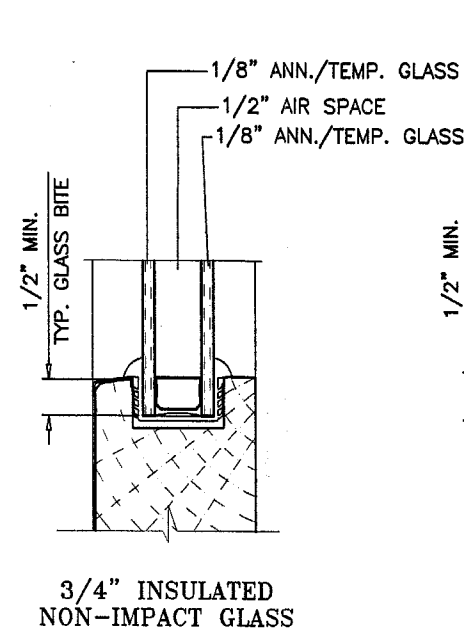
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dr. by: HAMID
chk. by:

drawing no.
W98-76
sheet 1 of 5

EXTERIOR
WINDOW HEIGHT



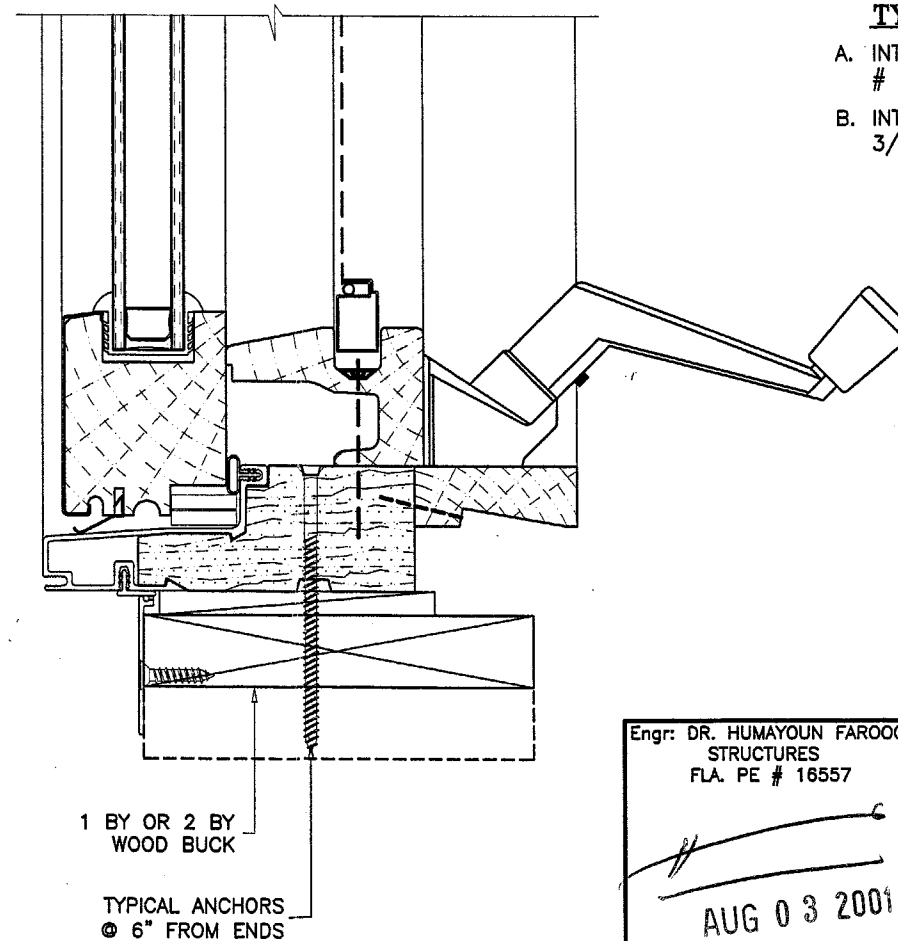
WOOD BUCKS NOT BY CARADCO, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



GLASS OPTIONS

TYPICAL ANCHORS:

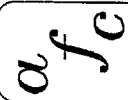
- A. INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
10 SMS WITH 1-3/8" MIN. PENETRATION INTO WOOD
- B. INTO 1BY WOOD BUCKS OR INTO MASONRY
3/16" DIA. TAPCONS WITH 1-1/4" MIN. EMBED INTO MASONRY



Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

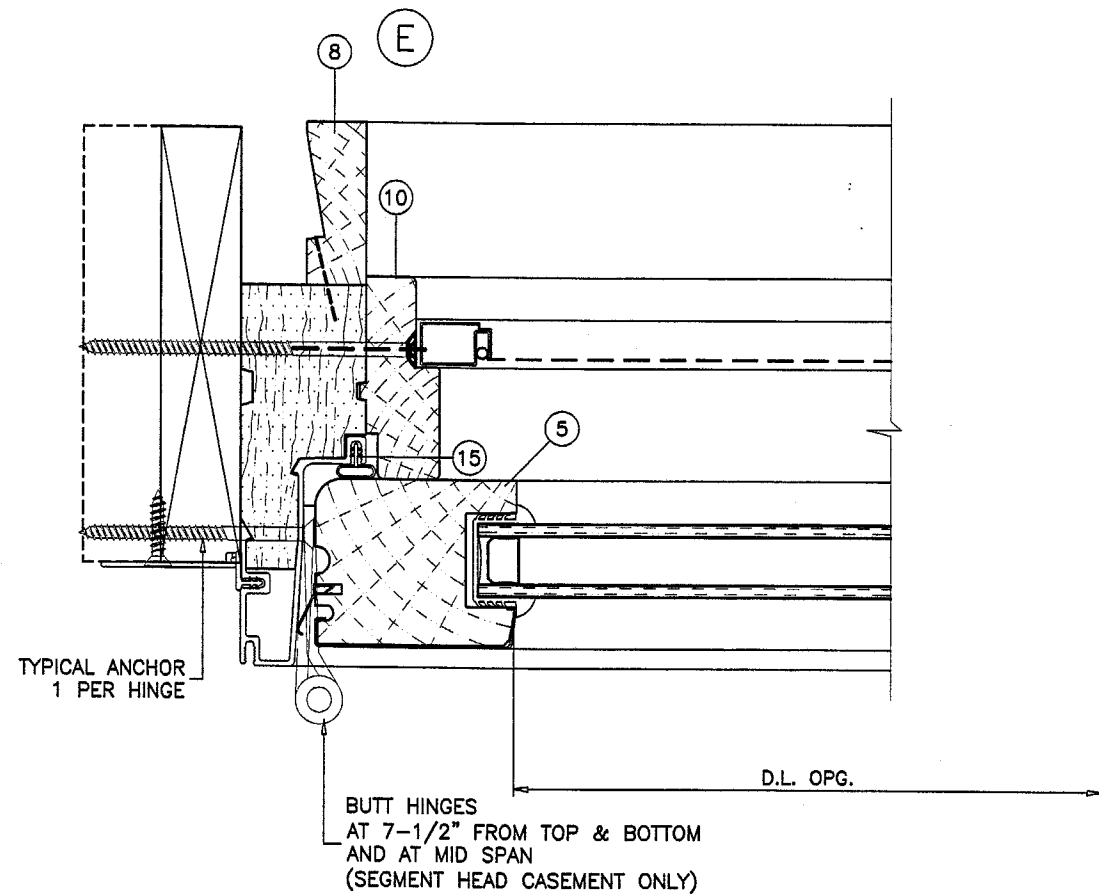
AUG 03 2001

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **SEP 20 2001**
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **06-0814-05**



AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W98-76CO

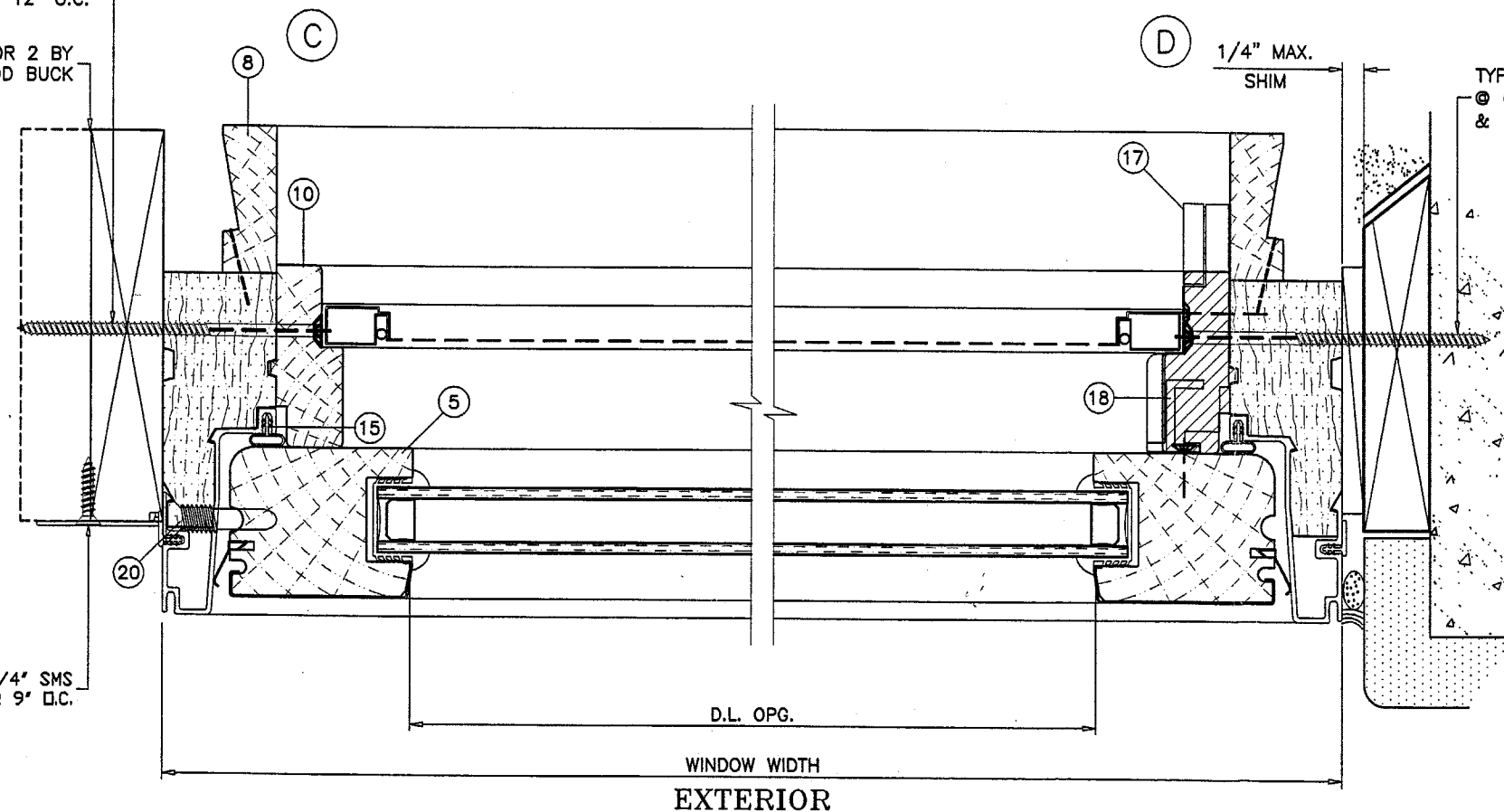
'CAR CLAD' WOOD CASEMENT WINDOW	
CARADCO WOOD WINDOWS & PATIO DOORS 201 EVANS ROAD RANTOUL, ILLINOIS 61866 TEL. (217) 893-4444 FAX (217) 893-0921	
revisions: no. date by description	date: 09-21-98 scale: 1/2" = 1" dr. by: HAMID chk. by:
drawing no. W98-76	
sheet 2 of 5	



TYPICAL ANCHORS
@ 6" FROM ENDS
& 12" O.C.

1 BY OR 2 BY
WOOD BUCK

#8 X 3/4" SMS
@ 9" O.C.



ITEM #	REQD.	PART NO.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	AS REQD.	CA-03/04	HEAD/SILL/JAMB	TIMBERSTRAND	CARADCO
2	1	CA-08	HEAD STOP	WOOD	CARADCO
3	2/SASH	-	SASH RAIL (INSUL. GLASS)	WOOD	CARADCO
4	2/ SASH	CA-14	SASH RAIL (LAM. GLASS)	WOOD	CARADCO
5	2/ SASH	-	SASH STILE (INSUL. GLASS)	WOOD	CARADCO
6	2/ SASH	CA-15	SASH STILE (LAM. GLASS)	WOOD	CARADCO
7	4/ SASH	CA-16/17	GLASS STOP (LAM. GLASS ONLY)	WOOD	CARADCO
8	4	CA-18/19	X-JAMB	WOOD	CARADCO
9	1	CA-05	SILL COVER	WOOD	CARADCO
10	2/ WINDOW	CA-06/07	SIDE STOP	WOOD	CARADCO
11	AS REQD.	P-14	FRAME NOSING	6063-T5	-
12	1/MULLION	CA-13	MULLION CASING	WOOD	CARADCO
13	1/ MULLION	PP25	MULLION CONNECTOR	6063-T5	CARADCO
14	AS REQD.	P52	3/4" GLAZING GASKET (INSUL. GLASS ONLY)	VINYL	CARADCO
15	AS REQD.	S90-078	BULB WEATHERSTRIP	PVC	AT EACH FRAME MEMBER
16	AS REQD.	PPQ	LEAF WEATHERSTRIP	POLYPROPYLENE	AT EACH SASH MEMBER
17	2/ WINDOW	-	METAL CAM-TYPE SWEEP LOCK	STEEL	AT 16" FROM EACH END
18	2/ SASH	-	KEEPERS AT LOCK LOCATIONS	STEEL	AT ACTIVE SASH
19	1/SASH	-	DUAL ARM ROTO-GEAR OPERATOR SYSTEM	-	AT SILL
20	2/ SASH	-	RETAINING PINS AT HINGE STILE	STEEL	AT 20" FROM ENDS
21	2/ SASH	-	SERIES 14 2 BAR HINGES	STEEL	TRUTH

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 18557

AUG 03 2001

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **SEP 20 2001**
BY *Mamun Siraj*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **01-0814-05**

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W98-76CO

'CAR CLAD' WOOD CASEMENT WINDOW

CARADCO WOOD WINDOWS & PATIO DOORS
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revisions:	
no	date by description

date: 09-21-98

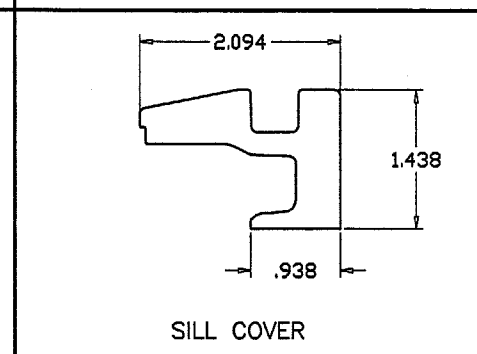
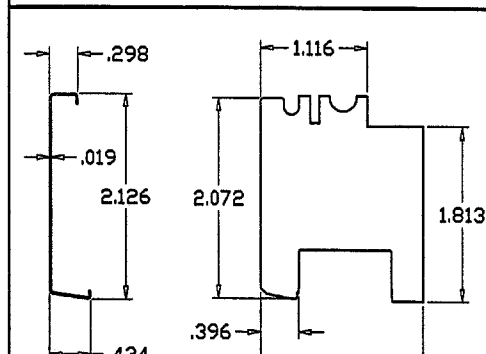
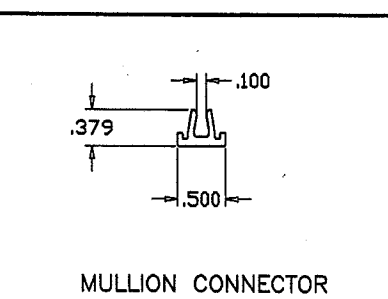
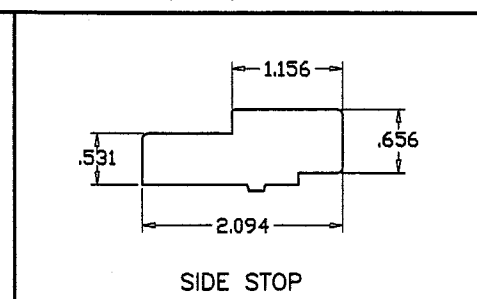
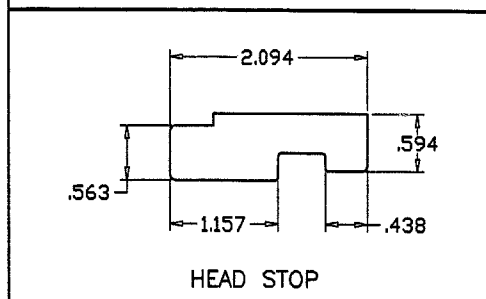
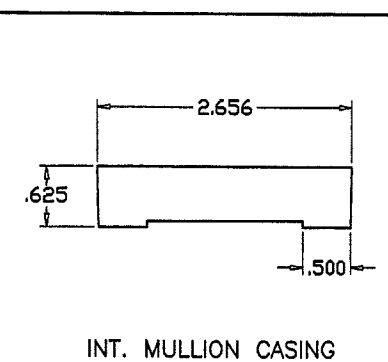
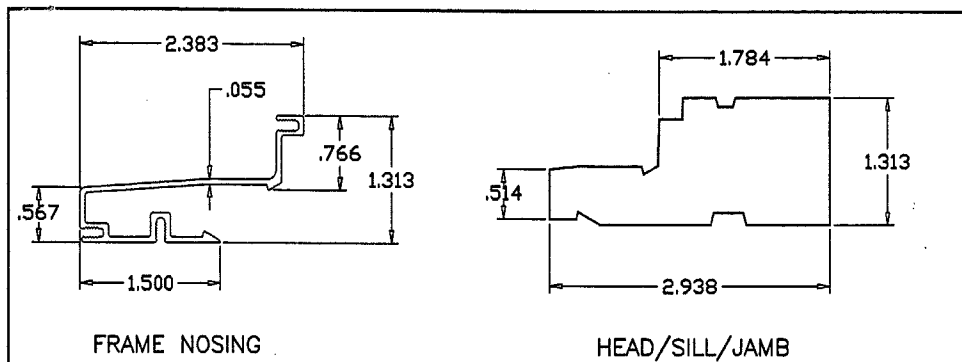
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dr. by: HAMID

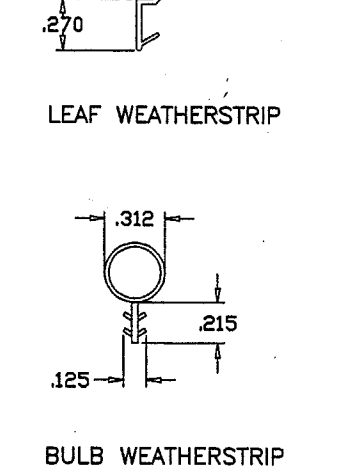
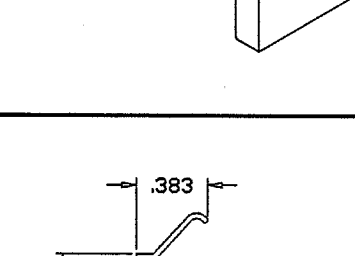
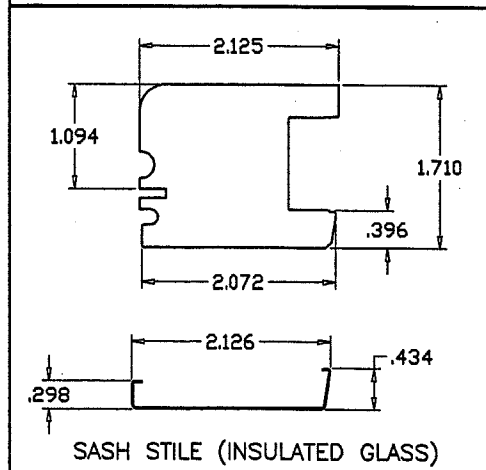
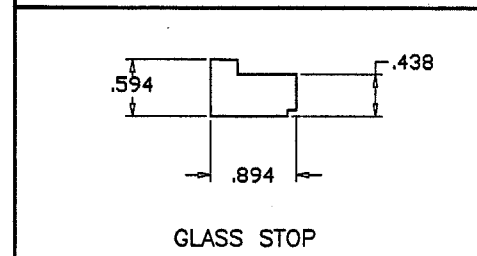
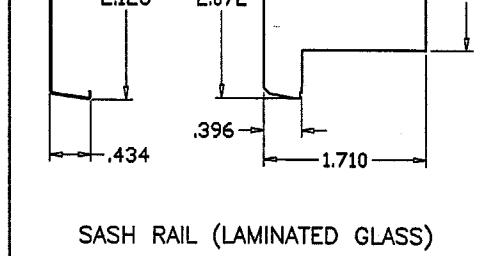
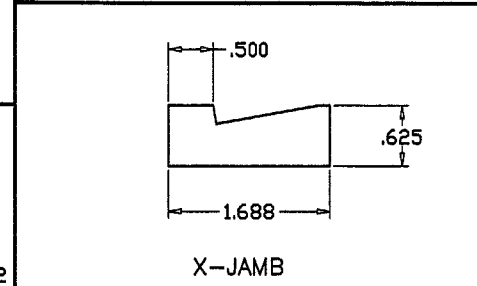
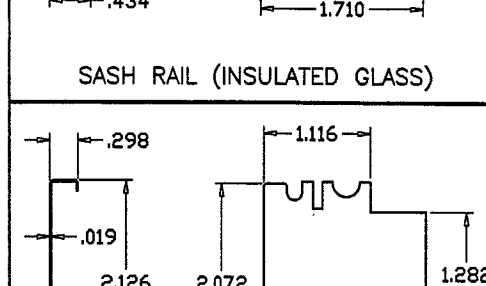
chk. by:

drawing no.
W98-76

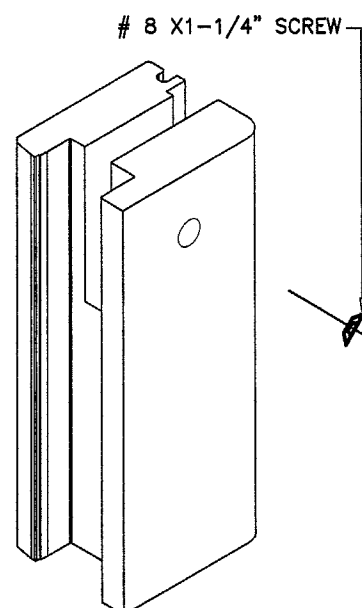
sheet 3 of 5



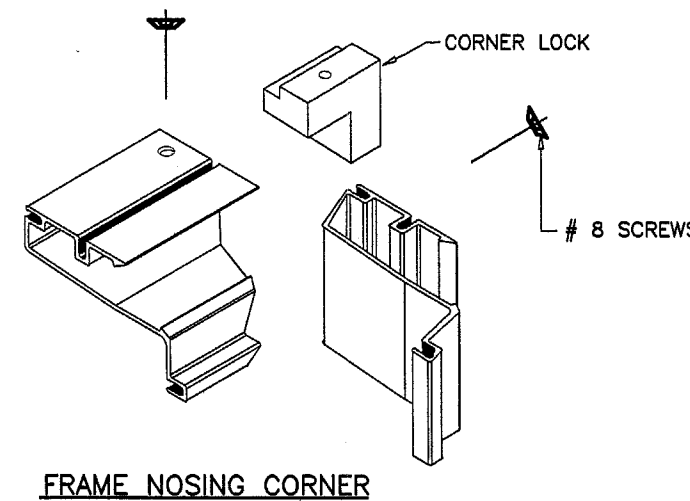
SASH AND OTHER WOOD COMPONENTS TO BE WHITE PINE OR PONDEROSA PINE. FRAME MEMBERS TO BE TIMBERSTRAND.



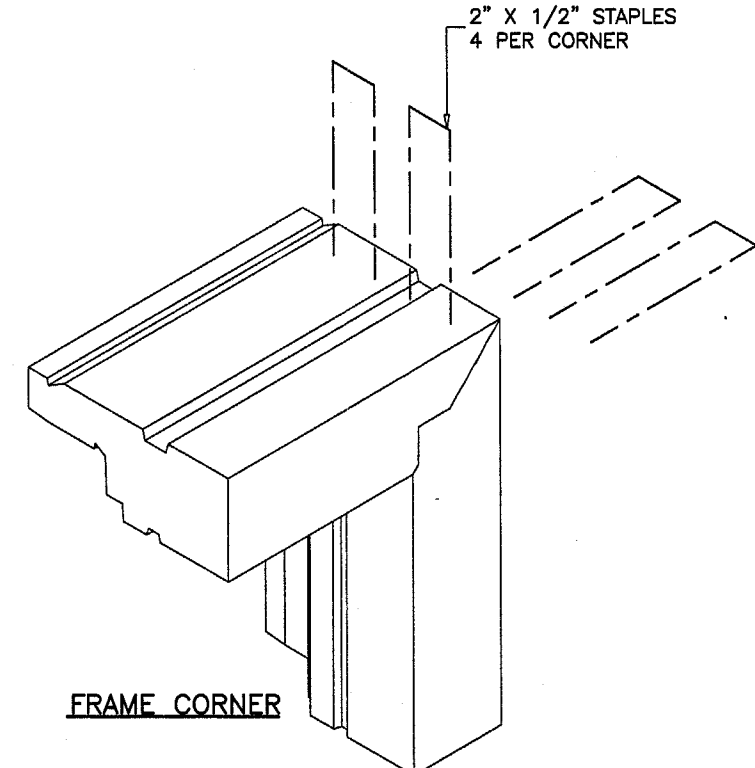
VENT CORNER



FRAME AND VENT CORNERS SEALED WITH BUTYL TAPE SEALANT. BUTYL CAULK USED IN BETWEEN ALUMINUM/WOOD JOINTS.



FRAME NOSING CORNER



FRAME CORNER

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL (305) 264-8100 FAX (305) 262-6978
 COMP-ANL W98-76CO

'CAR CLAD' WOOD CASEMENT WINDOW
CARADCO WOOD WINDOWS & PATIO DOORS
 201 EVANS ROAD
 RANTOUL, ILLINOIS 61866
 TEL (217) 893-4444 FAX (217) 893-0921

revisions:	no	date	by	description

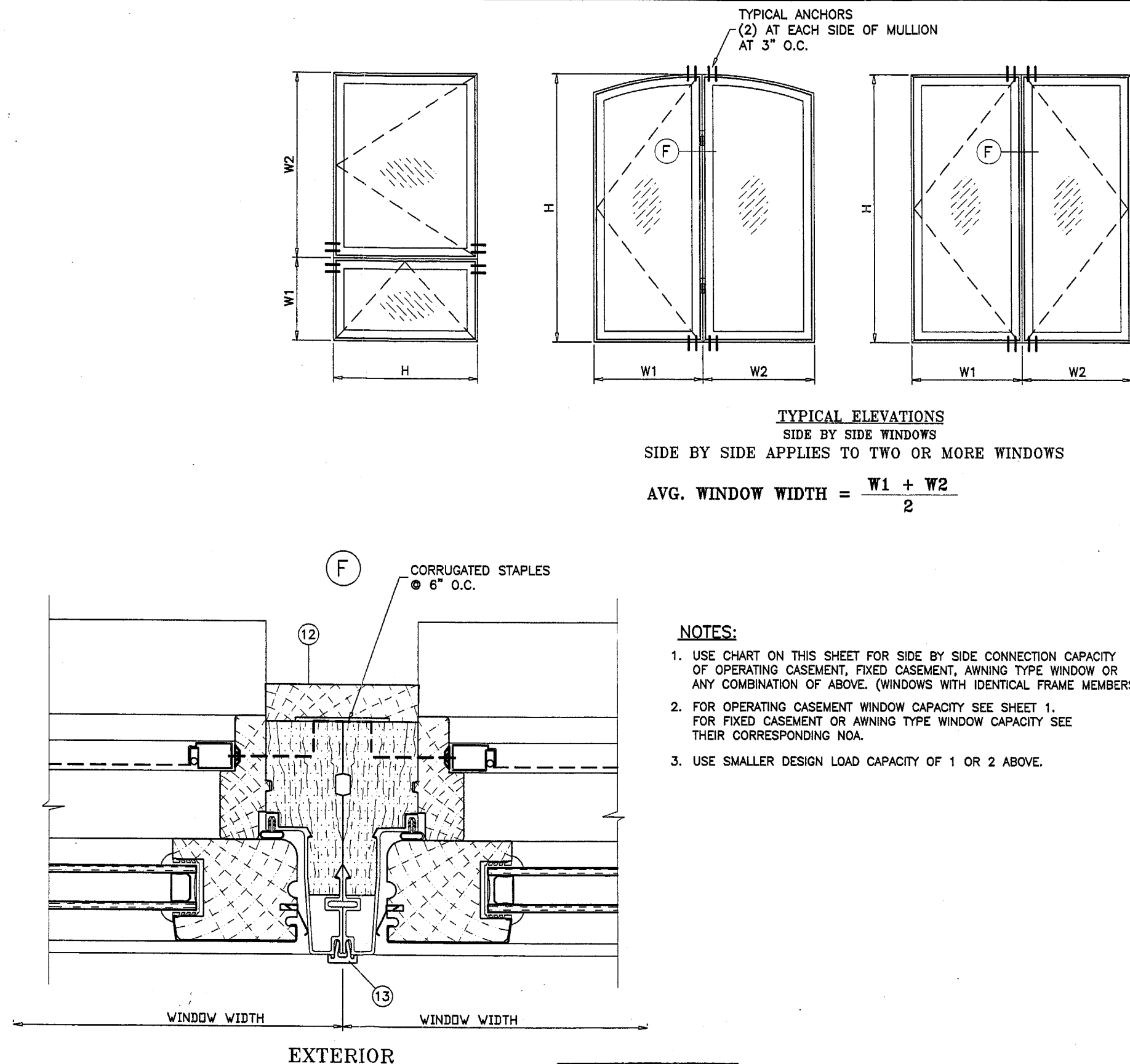
date: 09-21-98
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE **SEP 20 2001**
 BY *Mahmud M. Farooq*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. **01-0814.05**

drawing no. **W98-76**
 sheet 4 of 5

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
AUG 03 200

DESIGN LOAD CAPACITY - PSF (SIDE/SIDE OR TOP/BOTTOM WINDOWS) OPERATING CASEMENT, FIXED CASEMENT, AWNING OR ANY COMBINATION THEREOF					
WINDOW DIMENSIONS		NON-IMPACT WINDOWS (SHUTTERS REQUIRED) DSB-INSULATED GLASS		IMPACT RESISTANT WINDOWS (SHUTTERS NOT REQD.) 3/8" LAMINATED GLASS	
WIDTH (W)	HEIGHT (H)	EXT.	INT.	EXT.	INT.
15'	40'	140.0	140.0	66.0	80.0
20'		140.0	140.0	66.0	80.0
25'		140.0	140.0	66.0	80.0
30'		140.0	140.0	66.0	80.0
35'		140.0	140.0	66.0	80.0
40'		140.0	140.0	66.0	80.0
45'		140.0	140.0	66.0	80.0
50'		140.0	140.0	66.0	80.0
55'		140.0	140.0	66.0	80.0
15'	48'	140.0	140.0	66.0	80.0
20'		140.0	140.0	66.0	80.0
25'		140.0	140.0	66.0	80.0
30'		140.0	140.0	66.0	80.0
35'		127.1	127.1	66.0	80.0
40'		115.3	115.3	66.0	80.0
45'		114.5	114.5	66.0	80.0
50'		114.5	114.5	66.0	80.0
55'		114.5	114.5	66.0	80.0
15'	56'	140.0	140.0	66.0	80.0
20'		140.0	140.0	66.0	80.0
25'		115.2	115.2	66.0	80.0
30'		99.0	99.0	66.0	80.0
35'		88.3	88.3	66.0	80.0
40'		81.0	81.0	66.0	80.0
45'		76.2	76.2	66.0	76.2
50'		73.4	73.4	66.0	73.4
55'		72.2	72.2	66.0	72.2
15'	60'	140.0	140.0	66.0	80.0
20'		117.7	117.7	66.0	80.0
25'		96.6	96.6	66.0	80.0
30'		83.2	83.2	66.0	80.0
35'		74.2	74.2	66.0	74.2
40'		68.0	68.0	66.0	68.0
45'		63.8	63.8	63.8	63.8
50'		61.0	61.0	61.0	61.0
55'		59.3	59.3	59.3	59.3
15'	64'	126.4	126.4	66.0	80.0
20'		96.5	96.5	66.0	80.0
25'		78.9	78.9	66.0	78.9
30'		67.7	67.7	66.0	67.7
35'		60.0	60.0	60.0	60.0
40'		54.7	54.7	54.7	54.7
45'		50.9	50.9	50.9	50.9
50'		48.3	48.3	48.3	48.3
55'		46.6	46.6	46.6	46.6
15'	72'	88.4	88.4	66.0	80.0
20'		67.2	67.2	66.0	67.2
25'		54.7	54.7	54.7	54.7
30'		46.6	46.6	46.6	46.6
35'		41.0	41.0	41.0	41.0



Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

AUG 03 2001

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BY [Signature]
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sheet 5 of 5